

INTERNATIONAL SEARCH REPORT

International Application No.

PCT/03/03442

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B65D83/16

10/525349

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 B65D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 269 614 A (HENRY ABPLANALP ROBERT) 30 August 1966 (1966-08-30) column 3, line 13 - line 33; claims 1-3; figures 5-7	1-9
X	US 4 805 839 A (MALEK EDWARD J) 21 February 1989 (1989-02-21) cited in the application column 2, line 27 - line 39 column 3, line 58 - column 4, line 38; claim 1; figures 1-3	1-9
A	US 5 263 616 A (ABPLANALP ROBERT H) 23 November 1993 (1993-11-23) cited in the application column 1, line 58 - line 63 column 6, line 6 - line 9; figure 2	1, 2, 4, 6-9

☒ Further documents are listed in the continuation of box C:☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *&* document member of the same patent family

Date of the actual completion of the international search

16 October 2003

Date of mailing of the international search report

03/11/2003

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Segerer, H

INTERNATIONAL SEARCH REPORT

International Application No.
PCT/JP93/03442

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 01, 31 January 2000 (2000-01-31) -& JP 11 278567 A (YOSHINO KOGYOSHO CO LTD), 12 October 1999 (1999-10-12) abstract; figure 2	1, 3-9
A	US 5 335 832 A (DE LAFORCADE VINCENT) 9 August 1994 (1994-08-09) figure 2	1, 5, 7, 9

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International Application No. ...

PCT/93/03442

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 3269614	A	30-08-1966	BE 651105 A CH 417487 A DE 1700078 B1 DK 109504 C FI 43168 B FR 1406177 A GB 1078803 A NL 6408556 A NO 116410 B	16-11-1964 15-07-1966 30-05-1974 29-04-1968 01-10-1970 16-07-1965 09-08-1967 01-02-1965 17-03-1969
US 4805839	A	21-02-1989	AT 87581 T AU 612834 B2 AU 3463789 A CA 1333168 C DE 68905656 D1 DE 68905656 T2 EP 0341636 A2 ES 2039744 T3 GR 3009557 T3 JP 1877671 C JP 2149359 A JP 6000213 B NZ 228975 A PT 90457 A ,B	15-04-1993 18-07-1991 16-11-1989 22-11-1994 06-05-1993 02-09-1993 15-11-1989 01-10-1993 28-02-1994 07-10-1994 07-06-1990 05-01-1994 25-09-1991 30-11-1989
US 5263616	A	23-11-1993	AU 3421393 A CN 1075125 A GB 2262779 A ,B MX 9207539 A1 NZ 245314 A PT 101149 A WO 9312992 A1 ZA 9209465 A	28-07-1993 11-08-1993 30-06-1993 30-07-1993 27-04-1995 30-06-1994 08-07-1993 10-06-1993
JP 11278567	A	12-10-1999	NONE	
US 5335832	A	09-08-1994	FR 2687382 A1 DE 69300151 D1 DE 69300151 T2 EP 0556128 A1 ES 2072171 T3 JP 5278768 A	20-08-1993 22-06-1995 09-11-1995 18-08-1993 01-07-1995 26-10-1993